Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Saturday 17 Dec 2022 until 23:59 on Sunday 18 Dec 2022

Forecast Issued on Friday 16 Dec 2022 at 15:31

Confidence: High confidence in the change in weather type after further wintery showers on Saturday to a return to milder conditions along with wet and windy conditions for the Peak District. Lower confidence in the timing of the ingress of milder air on Sunday and precipitation type during the day.

Headline for Saturday 17 Dec 2022: Dry start but occasional wintery showers turning more to sleet or rain later in the day, fresh southwesterly winds.

Mountain weather hazards on Saturday 17 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Light snow showers	Sleet showers	Sleet showers	Light rain	Light rain
Precipitation probability							
10%	10%	10%	30%	40%	40%	40%	40%

Forecast for Saturday 17 Dec 2022

Weather: Clear spells overnight with another sharp overnight frost and some mist and fog patches. Wintery showers developing and scattering across the area, the snow level will gradually rise on Saturday. Showers of snow above 400m in the morning but above 800m by late afternoon. A few brighter spells in the middle of the day but further showers later in the afternoon and evening.

Chance of cloud-free hill tops above 600m: 60%. More clear tops around eastern hills.

Low cloud and visibility: Scattered or broken cloud layers above 500m around the western hills for most of the morning, more scattered around 600m in the east. Visibility falling moderate or poor in wintery showers at times but out with showers good visibility.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Saturday 17 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/30 SW	21/31 SW	21/31 SW	20/30 SW	19/28 SW	19/29 SW	20/30 SW	21/31 SW	20/31 S
300	14/25 SW	14/25 S	14/24 SW	15/25 SW	14/23 SW	13/23 S	14/24 SW	14/24 S	12/22 S
Valley	8/23 S	8/23 S	9/23 SW	9/22 S	8/19 S	9/21 S	9/22 S	10/23 S	8/20 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-9	-2/-9	-1/-8	-1/-8	-0/-7	0/-6	0/-6	0/-7	-0/-7
300	-0/-6	-0/-6	0/-5	1/-5	2/-3	2/-2	2/-2	2/-3	1/-4
Valley	-1/-5	-0/-5	0/-4	1/-3	2/-2	3/-1	3/-1	2/-2	1/-2
Freezing Level*	100m	100m	300m	500m	600m	800m	800m	800m	500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Freezing level lifting throughout the day with showers turning more to sleet, then rain at low levels. Still a significant windchill at height on the hills and some melting will occur at lower levels.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 16 Dec 2022	0mm	0.2mm	0.8mm

Forecast for Sunday 18 Dec 2022

Weather: Cloudy with a few outbreaks of sleet and snow in the morning, alongside strong winds there may be some blizzards on higher tops. Turning milder with further sleet and rain spreading across the Peak District from the west during the afternoon. Heavier outbreaks at times. Rain will ease later but some patchy drizzle may last into the evening.

Maximum wind: Southerly 15-20mph with gusts 25-30mph.

Chance of cloud-free hill tops above 600m: 70% falling to 40%, Increasing low cloud with outbreaks of rain/sleet and snow.

Low cloud and visibility: Scattered or broken layers of cloud above 500m in the morning, falling to 400m in the afternoon. Moderate visibility in the morning but turning very poor at times in strong winds and sleet and snow showers, blizzard conditions at times.

Temperature: **Valleys:** Plus 2 rising to 8 Celsius.
At 600m: Minus 2 rising to Plus 4 Celsius.
Freezing level: 200m in the morning, then rising above all summits in the afternoon.

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